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Our File No. 9281-4797  
Client Reference No. N US03045

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Masamichi Saito et al. )  
Serial No. To Be Assigned )  
Filing Date: Herewith )  
For: CPP Giant Magnetoresistive Head )  
Having Antiferromagnetic Film )  
Disposed In Rear Of Element )

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to the obligation under 37 C.F.R. 1.56 and in conformance with 37 C.F.R. 1.97-1.99, Applicants hereby submit references A1 – A12 listed on the attached form PTO-1449 for consideration by the Examiner. Copies of the references are enclosed herewith.

Japanese Unexamined Patent Application Publication Nos. 2002-319112, 2000-123325, 2001-307307 and 2002-232040 disclose a CPP GMR head comprising a wider electrode portion than an element.

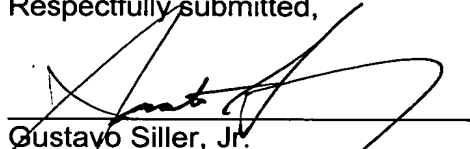
Japanese Unexamined Patent Application Publication Nos. 2001-266313, 2002-314168 and 2002-305338 disclose bias means are disposed on the outside of an element.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of these references, even if finally determined to be prior art, anticipates Applicants' invention or that these references make Applicants' invention obvious.

No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.

Respectfully submitted,



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<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (use several sheets if necessary)	SERIAL NO.	CASE NO.
	To be Assigned	9281-4797
	FILING DATE	GROUP ART UNIT
Herewith.		
APPLICANT(S): Masamichi Saito et al.		

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	6,259,586	07/2001	Hardayal Singh Gill		
	A2	6,052,263	04/2000	Hardayal Singh Gill		
	A3	6,023,395	02/2000	Frederick Hayes Dill et al.		
	A4	6,330,136	12/2001	Lien-Chang Wang et al.		
	A5	6,501,626	12/2002	Hardayal Singh Gill		

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
	A6	2002-319112	10/2002	Japan		YES	NO
	A7	2000-123325	04/2000	Japan		X	
	A8	2001-307307	11/2001	Japan		X	
	A9	2002-232040	08/2002	Japan		X	
	A10	2001-266313	09/2001	Japan		X	
	A11	2002-314168	10/2002	Japan		X	
	A12	2002-305338	10/2002	Japan		X	

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.